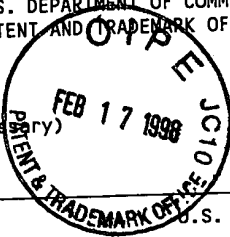


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06275/004001SERIAL NO.
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Kjell G.E. Backstrom et al.FILING DATE
October 24, 1996GROUP
1817

(37 CFR 1.98(b))



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
PAD	AB	0 122 036	10/17/84	Europe				
PAD	AC	43556/93	01/04/94	Australia				
PAD	AD	90/04962	05/17/90	PCT				
PAD	AE	91/16882	11/14/91	PCT				
PAD	AF	91/16929	11/14/91	PCT				
PAD	AG	93/25198	12/23/93	PCT Abstract only				
PAD	AH	94/22461	10/13/94	PCT				
PAD	AI	95/00151	01/05/95	PCT				

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PAD	AJ	Remington's Pharmaceutical Science, 18th edn., p. 1079 (1990)
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PAD	AL	Mizgala et al., Renal Handling of Phosphate, Physiological Reviews, 65(2):431-466 (1985)
PAD	AM	Salzman et al., Intranasal Aerosolized Insulin Mixed-Meal Studies and Long-term Use in Type I Diabetes, The New England Journal of Medicine, 312:1078-1084, 1985
PAD	AN	Zingg et al., Transhepatic Absorption and Biliary Excretion of Insulin, Can. J. Physiol. Pharmacol., 65:1982-1987 (1987)

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DATE CONSIDERED

24 April 98

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PAD	AA	4 8 9 5 7 1 9	1/23/90	Radhakrishnan			
PAD	AB	5 0 0 6 3 4 3	4/9/91	Benson			
PAD	AC	5 0 1 1 6 7 8	4/30/91	Wang			
PAD	AD	5 1 2 2 3 7 6	6/16/92	Aliverti			
PAD	AE	4 9 9 4 4 3 9	2/19/91	Longenecker			
PAD	AF	5 1 7 9 0 7 9	1/12/93	Hansen			
PAD	AG	5 5 1 4 6 7 0	6/7/96	Friedman			
PAD	AH	5 1 1 8 4 9 4	6/2/92	Schultz			
PAD	AI	5 3 4 8 7 3 0	9/20/94	Greenleaf			
PAD	AJ	3 0 1 4 8 4 4	12/26/61	Thiel			
PAD	AK	4 9 6 3 3 6 7	10/16/90	Ecanow			

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		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
PAD	AL	WO 91/16038	10/31/91	PCT				
PAD	AM	GB 837,465	6/15/60	Great Britain				
PAD	AN	DD 261 096 A1	10/19/88	Germany				
PAD	AO	EP 0 200 383	4/7/86	Europe				
PAD	AP	EP 0 055 041	12/3/81	Europe				

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PAD	AQ	Ruin, Sydsvenska (Dagbladet), Monday, June 12, 1989, Diabetics May Not Need Their Insulin Shots.						
PAD	AR	Almer et al., Diabetes Res. and Clin. Pract. 5:S163 (1988)						
PAD	AS	Björk, Acta Univ. Uppsala, Comprehensive Summaries of Uppsala Dissertations from the Faculty of Pharmacy						
		103 (1993)						

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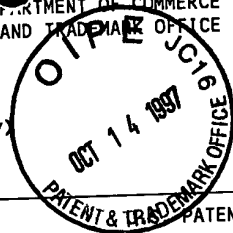
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PAD	BA	5	1	2	2	1	2	7	6/16/92	Stanley			
PAD	BB	4	8	4	7	2	9	8	4/11/89	Alexander			
PAD	BC	5	2	0	0	3	9	3	4/6/93	Weiner			
PAD	BD	5	4	8	2	7	0	6	1/9/96	Igari et al.			
PAD	BE	5	1	9	2	5	4	8	3/9/93	Velasquez et al.			
PAD	BF	5	2	5	4	3	3	0	10/19/93	Ganderton et al.			
PAD	BG	5	2	6	0	3	0	6	11/9/93	Boardman et al.			
PAD	BH	5	2	8	8	4	9	8	2/22/94	Stanley et al.			
PAD	BI	5	3	7	6	3	8	6	12/27/94	Ganderton et al.			
PAD	BJ	5	3	8	4	1	3	3	1/24/95	Boyce et al.			
PAD	BK	5	4	3	7	2	7	1	8/1/95	Hodson et al.			
PAD	BL	5	4	8	2	0	3	2	1/9/96	Smith et al.			
PAD	BM	5	3	8	4	1	3	3	1/24/95	Backstrom et al.			
PAD	BN	5	4	3	7	2	7	1	8/1/95	Backstrom et al.			

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							YES	NO
PAD	BO	WO 92/08446	5/29/92	PCT				
PAD	BP	EP 0 023 359	7/29/80	Europe				
PAD	BQ	WO 90/07333	4/12/90	PCT				

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PAD	BS	Komada et al., Intratracheal Delivery of Peptide and Protein Agents: Absorption from Solution and Dry Powder
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		Protein Ratio, J. Pharm. Sci. 80:725-729 (1991)

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PA)	CA	Schipper et al., Nasal Insulin Delivery with Dimethyl- β -Cyclodextrin as an Absorption Enhancer in Rabbits:
		Powder More Effective than Liquid Formulations, Pharm. Res. 10:682-686 (1993)
PA)	CB	Lee et al., Mucosal Penetration Enhancers for Facilitation of Peptide and Protein Drug Absorption,
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PA)	CC	Wearley, Recent Progress in Protein and Peptide Delivery by Noninvasive Routes, Critical Rev. Therapeut.
		Drug Carrier Systems 8:331-394 (1991)
PA)	CD	Laube et al., Preliminary Study of the Efficacy of Insulin Aerosol Delivered by Oral Inhalation in Diabetic
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PA)	CE	Dahlbäck et al., Regional Administration of Drugs to the Rabbit Respiratory Tract, Effects on Absorption,
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PA)	CF	Yoshida et al., Absorption of Insulin Delivered to Rabbit Trachea Using Aerosol Dosage Form, J. Pharma. Sci.
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PA)	CG	Damasy et al., Diabetes Res. and Clin. Pract. 5:S163 (1988)
PA)	CH	Chandler et al., Nasal Absorption in Rats. II. Effect of Enhancers on Insulin Absorption and Nasal
		Histology, Int. J. Pharmaceutics 76:61-70 (1991)
PA)	CI	Hirai et al., Effect of Surfactants on the Nasal Absorption of Insulin in Rats, Int. J. Pharmaceutics
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PA)	CJ	Gordon et al., Nasal Absorption of Insulin: Enhancement by Hydrophobic Bile Salts, Proc. Natl. Acad. Sci.
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PA)	CK	Moses et al., Insulin Administered Intranasally as an Insulin-Bile Salt Aerosol, Diabetes 32:1040-47 (1983)
PA)	CL	Wigley et al., Insulin Across Respiratory Mucosae by Aerosol Delivery, Diabetes 20:552-556 (1971)
PA)	CM	Cutie et al., The Role of Dispersing Agents in Inhalation and Intranasal Aerosol Suspensions, Aerosol. Age
		30:52-54 (1985)
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	CO	

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